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# TYPE-SPECIMENS OF POLYCHAETES DESCRIBED BY EDITH AND CYRIL BERKELEY (1923–1964)

*By* MARIAN H. PETTIBONE

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# TYPE-SPECIMENS OF POLYCHAETES DESCRIBED BY EDITH AND CYRIL BERKELEY (1923–1964)

*By* MARIAN H. PETTIBONE

*Associate Curator, Division of Worms*

The late Edith Berkeley, working as a volunteer investigator at the Pacific Biological Station at Nanaimo, British Columbia, published some 11 papers between 1923 and 1961, chiefly on the polychaetes from the Nanaimo district. In these publications 1 new genus, 15 new species, and 8 new varieties (some subsequently raised to species) were described, and 1 new name was proposed. Edith Berkeley was later joined by her husband Cyril in her polychaete studies, and they jointly published 34 papers between 1932 and 1964. In addition to material from British Columbia, their collection included specimens from Alaska, the Bering Sea, the western Canadian Arctic, southern California, the west coasts of Mexico and Panama, Peru, Hudson Bay, and the east coast of Canada. These studies resulted in the erection of 4 new genera, 43 new species, 1 new subspecies, 7 new varieties, and 1 new name. Cyril Berkeley alone published two short papers dealing with polychaetes (1942, 1956). "Canadian Pacific Fauna" includes two papers by the Berkeleys: "Polychaeta Errantia" (1948) and "Polychaeta Sedentaria" (1952a). Their publications serve as the primary source for information on the polychaetes of western Canada and nearby areas.

In 1964, Cyril Berkeley kindly donated the Berkeley polychaete collection to the Smithsonian Institution. I went to Nanaimo to

help in the transfer of the collection. Some type material of the Berkeley species had been set apart from the general collection. However, a good deal of type material, including syntypes and paratypes, was not so segregated.

The purpose of this paper is to indicate the change in the location of the Berkeleys' material from their private collection to that of the U.S. National Museum and to provide some pertinent information on the type material.

For each of the species described by the Berkeleys, I have given the original reference; subsequent references to that species by the Berkeleys are also listed. I have also included selected references to publications of other authors, in which additional figures or descriptions may be given, or in which the Berkeley species are referred to other genera or species. The type material is documented by the Museum Catalog Number (USNM), the locality, and number of specimens. In extracting type material from the general collection, I have been guided by the date and information given in the original reference. Type material was found for all but two species, *Prionospio multibranchiata* E. Berkeley, 1927, and *Caulleriella viridis* var. *pacifica* E. Berkeley, 1929. Dr. R. W. Sims of the Annelid Section at the British Museum (Natural History) kindly furnished me with the list of polychaetes given to the British Museum by Edith Berkeley. The syntypes and paratypes (referred to as cotypes) of the Berkeley species that are deposited in the British Museum are so indicated (BMNH).

A complete list of the papers dealing with polychaetes by Edith Berkeley, by Edith and Cyril Berkeley, and by Cyril Berkeley is included, together with a list of the new taxa described in each paper.

I wish to express my appreciation to Mr. Cyril Berkeley for his gift of the Berkeley collection to the Smithsonian Institution and for his help in making what might have been a rather tedious task of transferring a large collection, such a pleasant one. My sister Mrs. Katherine Swanson was particularly helpful, far beyond the call of duty, in serving as typist and general helper.

## Family Polynoidae

### *Lepidasthenia longicirrata* E. Berkeley

*Lepidasthenia longicirrata* E. Berkeley, 1923, p. 214, figs. 8–13.—Pettibone, 1953, p. 51, pl. 26, figs. 229–236.

*Lepidametria longicirrata* (E. Berkeley).—E. and C. Berkeley, 1948, p. 18, fig. 22.

Type material: Holotype, USNM 32853, off Jesse Island, British Columbia, from sponge-bed, 15 fms., June 9, 1920 (middle piece and posterior piece with regenerating posterior end, anterior end missing). Metatype, USNM 32852, Port Albion, Ucluelet, British Columbia,

July 12, 1945, Barraclough, collector (selected as type material by E. Berkeley). Metatype, USNM 32851, Deep Bay, Maple Point, British Columbia, 20 fms., August 1934, commensal form (specimen in 2 pieces, selected as type material by E. Berkeley).

***Malmgrenia nigralba* E. Berkeley**

*Malmgrenia nigralba* E. Berkeley, 1923, p. 213, figs. 5–7.—E. and C. Berkeley, 1948, p. 10.
*Malmgrenia lunulata* (Delle Chiaje).—Pettibone, 1953, p. 25, pls. 10, 11.

Type material: Syntypes, USNM 32875 and 32876, Piper's Lagoon, Vancouver Island, British Columbia, sand bed, very low tide, June 20, 1920, 3 specimens (anterior piece of 17 segments and posterior piece of 22 segments; 2 anterior pieces of 14 and 16 segments and 2 middle pieces of 9 and 19 segments). Syntypes, BMNH 1935. 12.19.33/35, Piper's Lagoon, Vancouver Island, British Columbia.

## Family Pareulepidae

***Eulepethus mexicanus* E. and C. Berkeley**

*Eulepethus mexicanus* E. and C. Berkeley, 1939, p. 328, figs. 4–7.
*Pareulepis fimbriata* (Treadwell).—Hartman, 1959, p. 123.
*Mexieulepis mexicanus* (E. and C. Berkeley).—Rioja, 1961, p. 237.

Type material: Holotype, USNM 32893, Isle Grande Bay, Mexico, 6 fms., fine sand, Apr. 8, 1937, W. Williams, collector, M. S. *Stranger*.

## Family Sigalionidae

***Sigalion lewisii* E. and C. Berkeley**

*Sigalion lewisii* E. and C. Berkeley, 1939, p. 326, figs. 2, 3.
*Eusigalion lewisii* (E. and C. Berkeley).—Hartman, 1944a, p. 13.
*Thalanessa lewisii* (E. and C. Berkeley).—Hartman, 1959, pp. 119, 122.

Type material: Holotype, USNM 32896, Espiritu Santo Island, Gulf of California, 24°22′ N., 11°11′ W., 11 fms., bottom of coralline algae, coral and shell, Apr. 18, 1937, F. E. Lewis, collector, M. S. *Stranger* (specimen in 2 pieces). Paratype, BMNH 1938. 11.29.4, Espiritu Santo Island, Gulf of California.

***Sthenelanella atypica* E. and C. Berkeley**

*Sthenelanella atypica* E. and C. Berkeley, 1941, p. 26, pl. 5, figs. 1–3.

Type material: Syntypes, USNM 32849 and 32850, off Corona del Mar, Calif., 12–17 fms., July 21, 1937, G. E. MacGinitie, collector, 2 specimens (1 complete, 1 incomplete posteriorly, with pharynx extended). Syntypes, USNM 32848, off Balboa, Calif., November and December 1932 and February 1933, G. E. MacGinitie, collector, 33 specimens.

Remarks: Hartman (1961, p. 54) questionably referred *S. atypica* to *Sthenelanella uniformis* Moore, 1910.

## Family Amphinomidae

### *Eurythoe complanata* var. *mexicana* E. and C. Berkeley

*Eurythoe complanata* (Pallas).—E. and C. Berkeley, 1939, p. 323, fig. 1 (part).
*Eurythoe complanata* var. *mexicana* E. and C. Berkeley, 1960a, p. 358.

Type material: Holotype, USNM 32884, Espiritu Santo Island, Gulf of California, littoral, 1937, F. E. Lewis, collector. Paratypes, USNM 32883, San Carlos Bay, Gulf of California, Sept. 5, 1959, H. Arai, collector, 2 specimens (anterior and posterior portions).

## Family Tomopteridae

### *Tomopteris elegans* E. Berkeley

*Tomopteris elegans* E. Berkeley, 1924a, p. 289, pl. 1, figs. 1, 2. (Not Chun, 1888.)
*Tomopteris renata* E. Berkeley, 1930, p. 76. [New name for *T. elegans* E. Berkeley, 1924, preoccupied.]—E. and C. Berkeley, 1948, p. 26, figs. 31, 32.
*Tomopteris* (*Johnstonella*) *renata* E. Berkeley.—Uschakov, 1952, p. 106, figs. 3–5.—E. and C. Berkeley, 1957, p. 576; 1960b, p. 791.

Type material: Holotype, USNM 32879, west of Entrance Island, British Columbia, 200 fms., July 13, 1915, C. M. Fraser, collector. Paratypes, USNM 32880, north of Five Fingers, British Columbia, 200 fms., July 10, 1915, C. M. Fraser, collector, 4 specimens. Paratypes, BMNH 1938. 11.29.6/8, Gulf of Georgia, British Columbia.

Remarks: Dales (1955, p. 440; 1957, p. 141) referred *T. renata* to *T.* (*Johnstonella*) *pacifica* Izuka, 1914. Hartman (1959, p. 182) indicated that *T. renata* is perhaps the same as *T. pacifica*. The Berkeleys (1957) consider the two species to be distinct.

## Family Pilargidae

### *Ancistrosyllis longicirrata* E. and C. Berkeley

*Ancistrosyllis longicirrata* E. and C. Berkeley, 1961, p. 658, figs. 5–7.
*Podarmus ploa* Chamberlin, 1919.—Pettibone, 1966, p. 199, figs. 24–26. [Family Polynoidae.]

Type material: Holotype, USNM 30990, South Pacific off Peru, 5°55′ S., 82°02′ W., from plankton, P. N. Sund, collector.

### *Loandalia fauveli* E. and C. Berkeley

*Loandalia fauveli* E. and C. Berkeley, 1941, p. 30, pl. 5, figs. 4–6.—Hartman, 1960, p. 89.—Pettibone, 1966, p. 196, figs. 22, 23.

Type material: Holotype, USNM 32891, Newport Bay, Calif., mud flats, Mar. 3, 1935, G. M. MacGinitie, collector (specimen in 3 pieces).

## Family Syllidae

### *Amblyosyllis lineata* var. *alba* E. Berkeley

*Amblyosyllis lineata* Grube var. *alba* E. Berkeley, 1923, p. 208.—E. and C. Berkeley, 1948, p. 81, fig. 121.

Type material: Syntypes, USNM 32860, 32861, 32862, Jesse to Newcastle Island, Nanaimo region, British Columbia, 20 to 25 fms., in cavities of siliceous sponges, Sept. 4, 1919, 4 specimens (in 12 pieces: anterior end of 5 setigerous segments, middle piece with 7 segments, posterior piece with 1 setigerous and 1 achaetous segment; anterior end with 5 segments, middle piece of 2 segments, posterior piece with 6 setigerous and 1 achaetous segments; 2 anterior ends each with 5 segments, 4 middle pieces consisting of 3, 2, and 2 segments, and single parapodium).

***Autolytus magnus* E. Berkeley**

*Autolytus magnus* E. Berkeley, 1923, p. 210, pl. 1, figs. 3, 4.—E. and C. Berkeley, 1938a, p. 47; 1945, p. 318; 1948, p. 70.—Hartman, 1948, p. 24.—Imajima and Hartman, 1964, p. 93, pl. 18, figs. a–c.

Type material: Holotype, USNM 32897, Departure Bay, Nanaimo, British Columbia, Feb. 23, 1920, swarming at station float, sacconereis phase.

***Autolytus trilineatus* E. and C. Berkeley**

*Autolytus aurantiacus*.—E. and C. Berkeley, 1938a, p. 48. [Not Claparède, 1868.]

*Autolytus trilineatus* E. and C. Berkeley, 1945, p. 318, fig. 1; 1948, p. 69, fig. 100.

*Autolytus prismaticus* (Fabricius).—Pettibone, 1954, p. 249, fig. 29, a, b.

Type material: Syntypes, USNM 32881 and 32882, Newcastle Island, Nanaimo, British Columbia, June 18, 1943, 5 specimens (complete specimen showing characteristic color markings, head of bud indicated between setigerous segments 13 and 14; complete specimen, 2 anterior ends, 3 middle pieces, and 3 posterior ends).

***Exogone lourei* E. and C. Berkeley**

*Exogone lourei* E. and C. Berkeley, 1938a, p. 44, figs. 6–12; 1948, p. 79, fig. 117

*Exogone dispar* (Webster).—Pettibone, 1954, p. 259, fig. 28, k.

Type material: Holotype, USNM 32895, False Narrows, Nanaimo, British Columbia, May 21, 1936.

***Odontosyllis parva* E. Berkeley**

*Odontosyllis parva* E. Berkeley, 1923, p. 208, pl. 1, figs. 1, 2.—E. and C. Berkeley, 1941, p. 30; 1948, p. 83, fig. 123.

Type material: Holotype, USNM 32892, False Narrows, Nanaimo, British Columbia, on bryozoan, May 30, 1919 (specimen in 3 pieces, anterior end of 15 segments, 2 middle pieces each with 6 segments).

***Odontosyllis phosphorea* var. *nanaimoensis* E. Berkeley**

*Odontosyllis phosphorea* Moore var. *nanaimoensis* E. Berkeley, 1923, p. 206; 1961, p. 1321.—E. and C. Berkeley, 1942, p. 191; 1948, p. 82, fig. 122.

Type material: Syntypes, USNM 32857 and 32859, Departure Bay, Nanaimo, British Columbia, swarming from end of July to end

of November, 32 specimens. Syntypes, USNM 32858, Departure Bay, Nanaimo, British Columbia, swarming, Aug. 13, 1918, 15 specimens. Syntypes, BMNH 1935. 12.19.39/42, Departure Bay, Nanaimo, British Columbia.

***Syllis harti* E. and C. Berkeley**

*Syllis harti* E. and C. Berkeley, 1938a, p. 35, fig. 2; 1942, p. 190; 1945, p. 317; 1948, p. 77, fig. 114.
*Typosyllis harti* (E. and C. Berkeley).—Hartman, 1959, pp. 227, 234.

Type material: Holotype, USNM 32671, off Nootka light, west coast Vancouver Island, British Columbia, about 45 fms., E. G. Hart, collector (pharynx is loose in vial). Paratype, BMNH 1938. 11.29.-10, Princess Louise Inlet, British Columbia, 25 fms., J. F. L. Hart, collector.

***Syllis pulchra* E. and C. Berkeley**

*Syllis pulchra* E. and C. Berkeley, 1938a, p. 34, fig. 1; 1948, p. 73, fig. 105.
*Typosyllis pulchra* (E. and C. Berkeley).—Hartman, 1944b, p. 250; 1948, p. 22.

Type material: Holotype, USNM 32847, False Narrows, Nanaimo, British Columbia, May 30, 1919. Paratypes, USNM 32846, between Jesse Island and Five Fingers, Nanaimo, British Columbia, 8 fms., July 17, 1918, 8 specimens. Paratypes, USNM 32845, Newcastle, Nanaimo, British Columbia, July 9, 1919, 4 specimens. Paratypes, BMNH 1938. 11.29.9, Departure Bay, British Columbia.

***Syllis spenceri* E. and C. Berkeley**

*Syllis spenceri* E. and C. Berkeley, 1938a, p. 38, fig. 4; 1948, p. 75, fig. 112.
*Typosyllis adamanteus* (Treadwell).—Imajima and Hartman, 1964, p. 132.

Type material: Holotype, USNM 32872, Departure Bay, Nanaimo, British Columbia, May 24, 1925, G. J. Spencer, collector. Paratypes, USNM 32871, Departure Bay, Nanaimo, British Columbia, May 24, 1925, G. J. Spencer, collector, 20 specimens. Paratypes, BMNH 1938. 11.29.11/14, Departure Bay, Nanaimo, British Columbia.

***Syllis stewarti* E. and C. Berkeley**

*Syllis stewarti* E. and C. Berkeley, 1942, p. 191; 1948, p. 72.
*Typosyllis stewarti* (E. and C. Berkeley).—Hartman, 1948, p. 22.

Type material: Holotype, USNM 32899, Estevan Point, west coast Vancouver Island, British Columbia, littoral, 1934, E. G. Hart, collector, *William J. Stewart.*

## Family Nereidae

***Micronereis nanaimoensis* E. and C. Berkeley**

*Micronereis variegata.*—Ramsay, 1914, p. 243, figs. 2–5, 7.—E. Berkeley, 1924a, p. 290.—E. and C. Berkeley, 1948, p. 60, fig. 89. [Not Claparède, 1863.]
*Micronereis nanaimoensis* E. and C. Berkeley, 1953a, p. 85, pls. 1, 2.

Type material: Syntypes, USNM 32854, 32855, and 32856, Departure Bay, British Columbia, Apr. 23 to May 23, 1947, 41 specimens.

***Nereis (Ceratonereis) scotiae* E. and C. Berkeley**

*Nereis (Ceratonereis) scotiae* E. and C. Berkeley, 1956a, p. 267, figs. 1, 2.
*Ceratonereis scotiae* (E. and C. Berkeley).—Hartman, 1959, pp. 239, 256.

Type material: Holotype, USNM 32889, Mitchell Bay, Nova Scotia, July 18, 1939, littoral, W. S. Hoar, collector. Paratypes, USNM 32890, Mitchell Bay, Nova Scotia, July 18, 1939, littoral, W. S. Hoar, collector, 2 specimens.

***Nereis (Eunereis) wailesi* E. and C. Berkeley**

*Nereis (Eunereis) wailesi* E. and C. Berkeley, 1954a, p. 456, figs. 1, 2.
*Eunereis wailesi* (E. and C. Berkeley).—Hartman, 1959, p. 241.

Type material: Holotype, USNM 32894, Cachalot, west coast Vancouver Island, British Columbia, G. H. Wailes, collector.

***Nereis (Neanthes) mancorae* E. and C. Berkeley**

*Nereis (Neanthes) mancorae* E. and C. Berkeley, 1961, p. 656, figs. 1–4.

Type material: Holotype, USNM 32887, Mancora, Peru, intertidal, W. L. Klawe, collector. Paratypes, USNM 32888, Mancora, Peru, intertidal, W. L. Klawe, collector, 5 specimens.

***Nicon peruviana* E. and C. Berkeley**

*Nicon peruviana* E. and C. Berkeley, 1964, p. 128, figs. 1, 2.

Type material: Holotype, USNM 32822, South Pacific off Peru, approximately 5° S., 81° W., Apr. 10, 1959, at night-light, P. N. Sund, collector (male heteronereid). Paratype, USNM 32821, South Pacific off Peru, approximately 5° S., 81° W., Apr. 10, 1959, at night-light, P. N. Sund, collector (male herteronereid).

## Family Nephtyidae

***Nephthys cornuta* E. and C. Berkeley**

*Nephthys* sp.? Weese, 1933, p. 20.
*Nephthys cornuta* E. and C. Berkeley, 1945, p. 328, figs. 2–4; 1948, p. 50, figs. 72, 73.
*Nephtys cornuta*.—Hartman, 1959, p. 106.—Clark, 1955, p. 547; 1958, p. 206.

Type material: Holotype, USNM 32873, Fishing Bay, East Sound, Orcas Island, Washington, 11–14 fms., soft mud, 1929, A. O. Weese, collector. Paratype, USNM 32874, Princess Louise Inlet, British Columbia, 20 fms., May 13, 1929. Paratypes, Fishing Bay, East Sound, Orcas Island, Washington. 11–14 fms., soft mud, 1929, A. O. Weese, collector, 4 specimens (in collection of R. B. Clark, University of Bristol, sectioned and stained for histological purposes; dissected for anatomical work on brain structure).

## Family Sphaerodoridae

### *Sphaerodorum biserialis* E. and C. Berkeley

*Sphaerodorum biserialis* E. and C. Berkeley, 1944, p. 3, figs. 1–3.

Type material: Holotype, USNM 32867, Dease Strait, western Canadian Arctic, 69° N., 106°25′ W., 45 fms., 1936–37, H. A. Larsen, collector, R.C.M.P. *St. Roch.* Paratype, USNM 32868, Dease Strait, western Canadian Arctic, 69° N., 106°25′ W., 45 fms., 1936–37, H. A. Larsen, collector, R.C.M.P. *St. Roch.*

Remarks: According to the revision by Pettibone (1963, p. 208), *S. biserialis* should be referred to *Ephesiella* Chamberlin, thus becoming *Ephesiella biserialis* (E. and C. Berkeley).

## Family Goniadidae

### *Glycinde picta* E. Berkeley

*Glycinde picta* E. Berkeley, 1927a, p. 412.—E. and C. Berkeley, 1942, p. 194; 1948, p. 35, fig. 48.—Hartman, 1948, p. 29.

Type material: Holotype, USNM 32870, False Narrows, British Columbia, May 20, 1920. Paratypes, USNM 32879, False Narrows, May 20, 1920; Piper's Lagoon, Apr. 20, 1920; Departure Bay Beach, June 27, 1918, low tide; 6 specimens. Paratypes, BMNH 1938. 11.29.18/19, Departure Bay, British Columbia.

## Family Onuphidae

### *Onuphis eremita* var. *parva* E. and C. Berkeley

*Onuphis eremita* Audouin and Milne-Edwards var. *parva* E. and C. Berkeley, 1941, p. 35.

Type material: Holotype, USNM 32886, off Corona del Mar, Calif., 12–17 fms., G. E. MacGinitie, collector. Paratype, USNM 32885, off Corona del Mar, Calif., 12–17 fms., G. E. MacGinitie, collector.

### *Onuphis zebra* E. and C. Berkeley

*Onuphis zebra* E. and C. Berkeley, 1939, p. 337, figs. 9–10.—Hartman, 1944c, p. 71, pl. 3, figs. 55–60.

Type material: Holotype, USNM 32898, Punta Gorda, Lower California, 23°04′ N., 109°35′ W., 14 fms., fine sand, Apr. 24, 1937, W. Williams, collector, M. S. *Stranger.*

### *Rhamphobrachium longisetosum* E. and C. Berkeley

*Rhamphobrachium longisetosum* E. and C. Berkeley, 1938b, p. 428, figs. 1–8.—Hartman, 1944c, p. 48, pl. 1, figs. 1–8.

Type material: Syntype, USNM 32865, off mouth of Santa Ana River, southern California, 17 fms., G. E. MacGinitie, collector

(anterior end of 9 segments showing characteristic long anterior setae). Syntypes, USNM 32866, off Balboa, southern California, 33 fms., May 19, 1933, G. E. MacGinitie, collector, 2 specimens (nearly complete specimen of 34 segments and middle fragment of 18 segments, also portion of tube).

## Family Lumbrineridae

### *Lumbrinereis ligulata* E. and C. Berkeley

*Lumbrinereis ligulata* E. and C. Berkeley, 1941, p. 38.
*Lumbrineris ligulata.*—Hartman, 1959, p. 335.

Type material: Syntypes, USNM 32877 and 32878, off Corona del Mar, southern California, 12–17 fms., July 21, 1937, G. E. MacGinitie, collector, 9 specimens (9 anterior ends, 2 middle pieces, 1 posterior end, plus jaws dissected out in small vial).

### *Lumbrinereis luti* E. and C. Berkeley

*Lumbrinereis luti* E. and C. Berkeley, 1945, p. 332, fig. 6; 1948, p. 100, fig. 159.
*Lumbrineris luti.*—Hartman, 1959, p. 335.

Type material: Holotype USNM 32864, Northumberland Channel, British Columbia, 10–20 fms., dense mud, Apr. 16, 1937 (specimen in 2 pieces, anterior and middle). Paratypes, USNM 32863, Nanoose Bay, British Columbia, Aug. 28, 1918; Northumberland Channel, Apr. 16, 1937; east coast Vancouver Island, 10–20 fms., dense mud; head of Seymour Inlet, 36 fms.; 31 specimens (31 anterior ends, 25 middle pieces).

## Family Dorvilleidae

### *Dorvillea pseudorubrovittata* E. Berkeley

*Dorvillea pseudorubrovittata* E. Berkeley, 1927a, p. 409.—E. and C. Berkeley, 1948, p. 87.—Hartman, 1948, p. 29.

Type material: Syntypes, USNM 32674 and 32675, Round Island to Mudge Island, east coast Vancouver Island, British Columbia, 25 fms., June 11, 1920, 7 specimens. Syntypes, USNM 32676, between Jesse and Russel Islands, east coast Vancouver Island, British Columbia, June 5, 1924, 8 specimens.

## Family Orbiniidae

### *Aricia macginitii* E. and C. Berkeley

*Aricia macginitii* E. and C. Berkeley, 1941, p. 40, pl. 5, figs. 7–10.
*Phylo ornatus* (Verrill).—Hartman, 1957, p. 265, pl. 24, figs. 1–10.

Type material: Holotype, USNM 32717, Newport Bay, southern California, mud flats, Dec. 26, 1932, G. E. MacGinitie, collector.

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## Family Paraonidae

### *Aricidea longicornuta* E. and C. Berkeley

*Aricidea longicornuta* E. and C. Berkeley, 1950, p. 86, fig. 9; 1953a, p. 48, figs. 68, 69.

*Aricidea wasbabeni* Jacobs.—Hartman, 1967, p. 321, pl. 45, fig. 5.

Type material: Holotype, USNM 32721, Pender Island, Malaspina Channel, Nanaimo, British Columbia, 75 fms., Jan. 19, 1929 (specimen in 2 pieces, posterior end missing). Paratypes, USNM 32720, Deep Hole, outside Departure Bay, Nanaimo, British Columbia, 230 fms., 2 specimens (in 4 pieces, posterior ends missing).

### *Aricidea lopezi* E. and C. Berkeley

*Aricidea lopezi* E. and C. Berkeley, 1936b, p. 342, figs. 1–3.

Type material: Holotype, USNM 32718, off Upright Head, Lopez Island, San Juan Archipelago, Washington, 12 fms., Aug. 23, 1933, R. I. Smith, collector (complete specimen). Paratypes, USNM 32719, off Upright Head, Lopez Island, San Juan Archipelago, Washington, 12 fms., Aug. 23, 1933, R. I. Smith, collector (3 specimens (1 complete, 1 in 2 pieces, posterior end missing).

## Family Spionidae

### *Boccardia columbiana* E. Berkeley

*Boccardia columbiana* E. Berkeley, 1927a, p. 416, pl. 1, figs. 4–8.—Woodwick, 1965a, p. 132, fig. 1.

*Polydora (Boccardia) columbiana* (E. Berkeley).—E. and C. Berkeley, 1953a, p. 16, figs. 22, 23.

Type material: Holotype, USNM 32714, Newcastle Island, Nanaimo, British Columbia, Aug. 3, 1918, boring in shaly rock (in 6 pieces). Paratypes, USNM 32715, Newcastle Island, Nanaimo, British Columbia, Aug. 3, 1918, boring in shaly rock; off Round Island, Aug. 19, 1918, in old wood of old float, Nov. 10, 1919; Piper's Lagoon, in shaly rock, May 4, 1923, 9 specimens (1 complete, 8 anterior ends, 5 middle pieces, 4 posterior ends). Paratypes, BMNH 1988.29.29, Departure Bay, British Columbia.

### *Boccardia uncata* E. Berkeley

*Boccardia uncata* E. Berkeley, 1927a, p. 418, pl. 1, figs. 9–13.

*Polydora (Boccardia) uncata* (E. Berkeley).—Okuda, 1937, p. 288, figs. 16, 17.—E. and C. Berkeley, 1952a, p. 14, figs. 18–21.

Type material: Holotype, USNM 32712, Piper's Lagoon, British Columbia, in frail sandy tube, May 4, 1923. Paratypes, USNM 32711, Piper's Lagoon, British Columbia, in frail sandy tubes, May 4, 1923, 8 specimens (3 anterior ends and 2 middle pieces). Paratypes, BMNH 1988.11.29.27,28, Piper's Lagoon, British Columbia.

## *Neopygospio* E. and C. Berkeley

### *Neopygospio laminifera* E. and C. Berkeley

*Neopygospio laminifera* E. and C. Berkeley, 1954a, p. 462, figs. 6, 7.

Type material: Holotype, USNM 32715, Rathtrevor Beach, Nanaimo, British Columbia, in small sandy tube, July 1951. Paratypes USNM 32716, Rathtrevor Beach, Nanaimo, British Columbia, in small sandy tubes, July 1951, 3 specimens (2 complete, one with posterior end missing).

### *Polydora caeca* var. *magna* E. Berkeley

*Polydora caeca* (Oersted) var. *magna* E. Berkeley, 1927a, p. 419.
*Polydora magna* E. Berkeley.—E. and C. Berkeley, 1936, p. 473; 1952a, p. 21.

Type material: Holotype, USNM 32710, False Narrows, Nanaimo, British Columbia, low tide (specimen in 2 pieces, anterior and posterior ends). Paratypes, BMNH 1938. 11.29.24, Rocky Bay, British Columbia.

### *Polydora cardalia* E. Berkeley

*Polydora cardalia* E. Berkeley, 1927a, p. 418, pl. 1, fig. 14.—E. and C. Berkeley, 1952a, p. 21, figs. 38, 39.

Type material: Holotype, USNM 32709, Cardale Point, Nanaimo, British Columbia, July 6, 1921. Paratypes, USNM 32708, Cardale Point, Nanaimo, British Columbia, July 6, 1921; dredged off Round Island, Aug. 19, 1920; False Narrows, May 20, 1920; Rocky Bay, May 16, 1920; 21 specimens (2 complete, 19 anterior ends, 9 middle pieces, and 6 posterior ends). Paratypes, BMNH 1938. 11.29.25, Departure Bay, British Columbia.

### *Polydora ciliata* var. *spongicola* E. and C. Berkeley

*Polydora ciliata* (Johnston) var. *spongicola* E. and C. Berkeley, 1950, p. 52, fig. 1; 1952a, p. 20, fig. 35.
*Polydora spongicola* E. and C. Berkeley.—Woodwick, 1963b, p. 212, fig. 2.

Type material: Holotype, USNM 32706, False Narrows, Nanaimo, British Columbia, in sponge encrusting rock of "reef" (specimen with anterior end only). Paratypes, USNM 32707, Northumberland Channel, British Columbia, in sponge on shells of *Pecten hindsi*, July 1943, 48 specimens (23 complete, 25 anterior ends, 3 middle pieces, 4 posterior ends).

### *Polydora socialis plena* E. and C. Berkeley

*Polydora socialis* (Schmarda) subsp. *plena* E. and C. Berkeley, 1936. p. 468; 1952a, p. 22.

Type material: Holotype, USNM 32705, Departure Bay, Nanaimo, British Columbia, clean sand beds, littoral, May 1, 1935. Paratypes, USNM 32704, Departure Bay and Piper's Lagoon, Nanaimo, British

Columbia, clean sand beds, littoral, May 1 and 20, 1935, 28 specimens (15 complete, 13 anterior ends, 1 posterior end).

***Paraprionospio tribranchiata* E. Berkeley**

*Paraprionospio tribranchiata* E. Berkeley, 1927a, p. 415, pl. 1, figs. 2, 3.—Weese, 1933, p. 19.—E. and C. Berkeley, 1936, p. 476.

*Prionospio pinnata* Ehlers.—E. and C. Berkeley, 1941, p. 42; 1942, p. 196; 1952a, p. 30, figs. 56, 57; 1963b, p. 149.

Type material: Holotype, USNM 32701, Nanoose Bay, Nanaimo, British Columbia, Aug. 28, 1918 (anterior end only; has been dry). Paratypes, USNM 32702, Nanoose Bay, Nanaimo, British Columbia, Aug. 28, 1918, 2 specimens (anterior ends; have been dry). Paratypes, USNM 32703, Nanoose Bay, Nanaimo, British Columbia, Sept. 6, 1918, 2 specimens (anterior ends, with proboscis everted). Paratypes, BMNH 1938. 11.29.30, Comox Spit, Vancouver Island, British Columbia.

***Prionospio multibranchiata* E. Berkeley**

*Prionospio multibranchiata* E. Berkeley, 1927a, p. 414, pl. 1, fig. 1.

*Prionospio cirrifera* Wirén.—E. and C. Berkeley, 1942, p. 196; 1952a, p. 28, figs. 52, 53.

Type material: No type material was found in the collection. Type locality: Station Flat, Nanaimo, British Columbia, low tide.

***Prionospio ornata* E. and C. Berkeley**

*Prionospio ornata* E. and C. Berkeley, 1961, p. 660, figs. 8–12; 1963b, p. 149; 1964, p. 132.

Type material: Holotype, USNM 32698, South Pacific off Peru, 8°17′ S., 79°09′ W., from plankton, 0 to 15 m., Sept. 25, 1958, P. N. Sund, collector, larva. Paratypes, USNM 32697, South Pacific off Peru, 8°17′ S., 79°09′ W., from plankton, 0 to 15 m., Sept. 25, 1958, P. N. Sund, collector, 35 larvae.

***Spio butleri* E. and C. Berkeley**

*Spio butleri* E. and C. Berkeley, 1954a, p. 461, figs. 3, 4.

Type material: Holotype, USNM 32695, McIntyre Bay, Queen Charlotte Islands, British Columbia, swimming in tide-pool on sandy beach, May 27, 1953, T. H. Butler, collector. Paratypes, USNM 32696, McIntyre Bay, Queen Charlotte Islands, British Columbia, swimming in tide-pool on sandy beach, May 27, 1953, T. H. Butler, collector, 6 specimens (one complete, 5 anterior ends, 3 middle pieces, 1 posterior end).

***Spio martinensis* var. *pacifica* E. Berkeley**

*Spio martinensis* Mesnil var. *pacifica* E. Berkeley, 1927a, p. 413.

*Spio filicornis* (Müller) var. *pacifica* E. Berkeley.—E. and C. Berkeley, 1936, p. 475; 1952a, p. 25.

*Spio filicornis* (Müller).—Hartman, 1948, p. 36. (Includes *S. martinensis*, var. *pacifica*.)

Type material: Holotype, USNM 32700, False Narrows, Nanaimo, British Columbia, May 30, 1919. Paratypes, USNM 32699, Nanaimo district, British Columbia; Horsewell Point, May 3, 1923; between Horsewell and Plantas, May 22, 1924; end of Newcastle, May 30, 1923; False Narrows, May 30, 1919; Cardale Point, July 6, 1921; 53 specimens (32 complete, 21 anterior ends, 1 middle piece, 1 posterior end).

## Family Chaetopteridae

### *Leptochaetopterus* E. Berkeley

#### *Leptochaetopterus pottsi* E. Berkeley

*Leptochaetopterus pottsi* E. Berkeley, 1927b, p. 441, figs. 1–3.
*Telepsavus costarum* Claparède.—Monro, 1933, p. 1052—E. and C. Berkeley, 1942, p. 196; 1952a, p. 63, figs. 127–130.

Type material: Syntypes, USNM 32691 and 32693, Piper's Lagoon, Nanaimo, British Columbia, Apr. 20, 1920, 17 specimens (17 anterior ends, 5 middle pieces). Syntypes, USNM 32692, Departure Bay Beach, Nanaimo, British Columbia, Apr. 20, 1920, 7 specimens (7 anterior ends, 2 middle pieces). Syntypes, USNM 32694, off Mudge Island, Nanaimo, British Columbia, 25 fms., in the crevices of a rotten piece of wood, June 11, 1920, 2 specimens (anterior ends).

#### *Mesochaetopterus rickettsii* E. and C. Berkeley

*Mesochaetopterus rickettsii* E. and C. Berkeley, 1941, p. 43, pl. 5, figs. 15, 16.

Type material: Holotype, USNM 32686, Newport Bay, southern California, G. E. MacGinitie, collector (anterior end). Paratypes, USNM 32685, Newport Bay, southern California, Jan. 19, 1932, E. F. Ricketts, collector, 8 specimens (have been dry). Paratype, 32684, Newport Bay, southern California, Mar. 22, 1933, G. E. MacGinitie, collector, 1 specimen (in 13 pieces).

## Family Cirratulidae

#### *Caulleriella viridis* var. *pacifica* E. Berkeley

*Caulleriella viridis* (Langerhans) var. *pacifica* E. Berkeley, 1929, p. 307.
*Caulleriella alata* (Southern).—E. and C. Berkeley, 1950, p. 57; 1952a, p. 36; 1958a, p. 405.—Hartman, 1961, p. 108.

Type material: No type material was found in the collection. Type locality: False Narrows, Nanaimo, British Columbia.

#### *Chaetozone spinosa* var. *corona* E. and C. Berkeley

*Chaetozone spinosa* Moore var. *corona* E. and C. Berkeley, 1941, p. 45.
*Chaetozone corona* E. and C. Berkeley.—Hartman, 1961, p. 109.

Type material: Syntypes, USNM 32689 and 32690, off Corona del Mar, Calif., 12–17 fms., July 21, 1937, G. E. MacGinitie, collector, 4 specimens (one complete).

***Dodecaceria fewkesi* E. and C. Berkeley, new name**

*Sabella pacifica* Fewkes, 1889, p. 132, pl. 7, figs. 1, 2. [Not Grube, 1859.]
*Dodecaceria pacifica* (Fewkes).—E. Berkeley, 1929, p. 308.—E. and C. Berkeley, 1932b, p. 314; 1941, p. 46; 1942, p. 197; 1952a, p. 33.
*Dodecaceria fistulicola* Ehlers (1901).—Reish, 1952, p. 103, pl. 20.
*Dodecaceria fewkesi* E. and C. Berkeley, 1954b, p. 326, figs. 1–7; 1956, p. 544. [New name for *Sabella pacifica* Fewkes, preoccupied.]

Remarks: According to Reish (1952), *Sabella pacifica* Fewkes (1889) (preoccupied by Grube, 1859) from Santa Barbara, Calif. is identical with *D. fistulicola* Ehlers (1901) from Chile. If so, *D. fewkesi* E. and C. Berkeley, a new name for *Sabella pacifica* Fewkes, should also be referred to *D. fistulicola*. Hartman (1959, p. 408) lists both *D. fewkesi* and *D. fistulicola* as valid names.

***Tharyx multifilis* var. *parvus* E. Berkeley**

*Tharyx multifilis* Moore var. *parvus* E. Berkeley, 1929, p. 307.—E. and C. Berkeley, 1952a, p. 35.
*Tharyx parvus* E. Berkeley.—Hartman, 1961, p. 113.

Type material: Holotype, USNM 32687, Piper's Lagoon, Nanaimo, British Columbia, May 31, 1923. Paratypes, USNM 32688, Piper's Lagoon, Nanaimo, British Columbia, May 31, 1923, 10 specimens (have been dry).

## Family Flabelligeridae

***Stylarioides negligens* E. and C. Berkeley**

*Stylarioides eruca*.—E. Berkeley, 1930, p. 69. [Not Claparède, 1870.]
*Stylarioides negligens* E. and C. Berkeley, 1950, p. 58, fig. 4; 1952a, p. 10, fig. 10.
*Pherusa negligens* (E. and C. Berkeley).—Hartman, 1959, pp. 418, 421.

Type material: Holotype, USNM 32683, Mitlenatch Island, Gulf of Georgia, British Columbia, 100 fms., D. Williamson, collector (specimen in 2 pieces).

## Family Capitellidae

***Heteromastus filobranchus* E. and C. Berkeley**

*Heteromastus filobranchus* E. and C. Berkeley, 1932a, p. 671, figs. 5–7; 1952a, p. 103, figs. 211, 212.—Hartman, 1947, p. 428, pl. 53, figs. 1–4.

Type material: Holotype, USNM 32682, Nanoose Bay, Nanaimo, British Columbia, 15–25 fms., Feb. 16, 1929 (specimen in 5 pieces has been dry). Paratypes, USNM 32681, Ship Bay, Rosario Inlet, Washington, 5–6 fms., sandy mud, A. O. Weese, collector, 6 specimens (in 17 pieces). Paratypes, BMNH 1938. 11.29.32, Saanich Inlet, Vancouver Island, British Columbia.

***Notomastus pallidior* var. *parvus* E. Berkeley**

*Notomastus pallidior* Chamberlin var. *parvus* E. Berkeley, 1929, p. 312.
*Notomastus parvus* E. Berkeley.—Hartman, 1959, p. 445.

Type material: Syntypes, USNM 32679 and 32680, north end Newcastle Island, Departure Bay, British Columbia, May 21, 1923, 7 specimens (9 pieces, one complete).

Remarks: *N. pallidior*, var. *parvus* is not included in E. and C. Berkeley, 1952a; a label added to the type material indicates that it was considered later by the Berkeleys to be the young of *Notomastus tenuis* Moore.

***Notomastus variegatus* E. and C. Berkeley**

*Notomastus pallidior*.—E. and C. Berkeley, 1942, p. 198. [Not Chamberlin, 1918.]
*Notomastus variegatus* E. and C. Berkeley, 1950, p. 59; 1952a, p. 103.

Type material: Syntypes, USNM 32677 and 32678, Estevan Point, west coast Vancouver Island, 45 fms., E. G. Hart, collector, 11 specimens (17 pieces).

## Family Arenicolidae

***Arenicola glasselli* E. and C. Berkeley**

*Arenicola glasselli* E. and C. Berkeley, 1939, p. 340—Wells, 1962, p. 344.

Type material: Holotype, USNM 32835, San Felipe, Gulf of California, littoral, June 18, 1936, S. A. Glassell, collector. Paratypes, USNM 32844, San Felipe, Gulf of California, littoral, June 18, 1936, S. A. Glassell, collector, 6 specimens. Paratypes, BMNH 1938. 11.29.34/37, San Felipe, Gulf of California.

### *Protocapitella* E. and C. Berkeley

***Protocapitella simplex* E. and C. Berkeley**

*Protocapitella simplex* E. and C. Berkeley, 1932a, p. 669, figs. 1–4.
*Branchiomaldane vincenti* Langerhans.—E. and C. Berkeley, 1950, p. 60; 1952a, p. 99, figs. 203–205.

Type material: Holotype, USNM 32808, Wreck Bay, west coast Vancouver Island, British Columbia, 1921 (specimen on slide). Paratypes, BMNH 1938. 11.29.33, Wreck Bay, west coast Vancouver Island, British Columbia.

## Family Maldanidae

***Axiothella rubrocincta* var. *complexa* E. and C. Berkeley**

*Axiothella rubrocincta* (Johnson) var. *complexa* E. and C. Berkeley, 1941, p. 49.

Type material: Holotype, USNM 32818, Newport Bay, southern California, mud flats, November 1933, G. E. MacGinitie, collector. Paratypes, USNM 32819, Newport Bay, southern California, mud

flats, November 1933, G. E. MacGinitie, collector, 2 specimens (in 3 pieces). Paratypes, USNM 32820, Newport Bay, southern California, mud flats, November 1933, G. E. MacGinitie, collector, 4 specimens (in 6 pieces).

#### *Clymene (Euclymene) grossa* var. *newporti* E. and C. Berkeley

*Clymene (Euclymene) grossa* Baird var. *newporti* E. and C. Berkeley, 1941, p. 49; 1960a, p. 360.
*Euclymene grossa* (Baird) var. *newporti* (E. and C. Berkeley).—Hartman, 1959, pp. 453, 456.

Type material: Holotype, USNM 32826, Newport Bay, southern California, Nov. 12, 1936, G. E. MacGinitie, collector. Paratype, USNM 32827, LaJolla, southern California, Jan. 13, 1938, rocky shore with coarse sand beneath, G. E. MacGinitie, collector, 1 specimen (anterior and posterior ends).

#### *Clymene (Euclymene) papillata* E. and C. Berkeley

*Clymene (Euclymene) papillata* E. and C. Berkeley, 1939, p. 340, figs. 11, 12.
*Euclymene papillata* (E. and C. Berkeley).—Hartman, 1959, pp. 453, 457.

Type material: Holotype, USNM 32839, Punta Peñasco, Sonora, Mexico, S. A. Glassell, collector (specimen in 2 pieces, anterior and posterior ends). Paratype, BMNH 1938. 11.29.38, Punta Peñasco, Sonora, Mexico.

#### *Leiochone columbiana* E. Berkeley

*Leiochone columbiana* E. Berkeley, 1929, p. 315, pl. 1, figs. 1–9.—E. and C. Berkeley, 1952a, p. 44, figs. 81–84.
*Clymenura columbiana* (E. Berkeley).—Hartman, 1959, pp. 456, 458.

Type material: Holotype, USNM 32837, Departure Bay, Nanaimo, British Columbia, 8–10 fms. Paratype, BMNH 1938. 11.29.42, Departure Bay, Nanaimo, British Columbia.

#### *Praxillella affinis* var. *pacifica* E. Berkeley

*Praxillella affinis* (Sars) var. *pacifica* E. Berkeley, 1929, p. 313.—E. and C. Berkeley, 1942, p. 198; 1952a, p. 49, figs. 97–100.

Type material: Syntypes, USNM 32832 and 32833, Nanoose Bay, British Columbia, Aug. 28, 1918, 10–15 fms., 4 specimens (1 complete, 3 anterior ends—1 with regenerating head, 1 middle piece, 2 posterior ends).

## Family Ampharetidae

### *Pseudosabellides* E. and C. Berkeley

#### *Pseudosabellides lineata* E. and C. Berkeley

*Sabellides octocirrata*.—E. and C. Berkeley, 1942, p. 201. (Not Sars, 1835.)
*Pseudosabellides lineata* E. and C. Berkeley, 1943, p. 131; 1944, p. 3; 1952a, p. 71, fig. 147.

*Asabellides sibirica* (Wirén).—Pettibone, 1954, p. 318, fig. 36, e.
*Asabellides lineata* (E. and C. Berkeley).—E. and C. Berkeley, 1956c, p. 241.

Type material: Syntypes, USNM 32809 and 32813, Nanoose Bay, British Columbia, 25 fms., Aug. 28, 1918, 3 specimens. Syntypes, USNM 32812, Nanoose Bay, British Columbia, sponge bed, Jan. 11, 1931, 3 specimens. Syntypes, USNM 32811, Port Burwell, Ungava, Hudson Bay, 10–15 fms., sandy mud, Sept. 16, 1927, 2 specimens. Syntypes, USNM 32810, Nash Harbour, Nunivak Island and Spiriden Bay, Kodiak Island, Alaska, 8–12 fms., 7 specimens.

#### *Pseudosabellides littoralis* E. and C. Berkeley

*Pseudosabellides littoralis* E. and C. Berkeley, 1943, p. 131; 1952a, p. 72.

Type material: Holotype, USNM 32817, Departure Bay, Nanaimo, British Columbia, littoral, Apr. 21, 1929. Paratypes, USNM 32815, Departure Bay, Nanaimo, British Columbia, littoral, Apr. 21, 1929 and Apr. 5, 1934, 3 specimens. Paratypes, USNM 32816, Portage Lagoon, Nanaimo, British Columbia, littoral, May 4, 1935, 9 specimens. Paratypes, USNM 32814, Diana Bay, Hudson Bay, littoral, Aug. 4, 1928, 18 specimens.

Remarks: *Pseudosabellides littoralis* should be referred to *Asabellides* Annenkova, thus becoming *Asabellides littoralis* (E. and C. Berkeley).

## Family Terebellidae

### *Novobranchus* E. and C. Berkeley

#### *Novobranchus pacificus* E. and C. Berkeley

*Novobranchus pacificus* E. and C. Berkeley, 1954a, p. 465, figs. 8–13.

Type material: Holotype, USNM 32838, Buccaneer Bay, British Columbia, 25 fms., Sept. 20, 1918.

#### *Pista moorei* E. and C. Berkeley

*Pista moorei* E. and C. Berkeley, 1942, p. 204, figs. 4, 5; 1952a, p. 81, fig. 166.

Type material: Holotype, USNM 32925, Trincomali Channel, British Columbia, 25–30 fms., August 1934. Paratypes, USNM 32824, Malaspina Channel, Pender Island, British Columbia, 25 fms., Jan. 1, 1929, 2 specimens. Paratype, USNM 32822, Departure Bay, British Columbia, July 11, 1940. G. E. MacGinitie, collector, 1 specimen.

#### *Pista pacifica* E. and C. Berkeley

*Pista elongata*.—E. and C. Berkeley, 1935, p. 773. (Not Moore, 1909.)
*Pista pacifica* E. and C. Berkeley, 1942, p. 202, figs. 1–3; 1952a, p. 80, figs. 163–165.—Hartman, 1944b, p. 273, pl. 22, figs. 37–41, pl. 25, figs. 61, 62.

Type material: Syntypes, USNM 32841 and 32843, west coast Vancouver Island, British Columbia, June 27, 1934, 5 specimens

(anterior ends and portion of tube). Syntypes, USNM 32834, Elkhorn Slough, southern California, G. E. MacGinitie, collector, 2 specimens (anterior ends and middle piece).

***Scionella estevanica* E. and C. Berkeley**

*Scionella estevanica* E. and C. Berkeley, 1942, p. 205; 1943, p. 130; 1952a, p. 87.

Type material: Holotype, USNM 32831, Estevan Point, west coast Vancouver Island, 76 fms., 1934, E. G. Hart, collector (anterior end). Paratype, USNM 32820, Estevan Point, west coast Vancouver Island, 76 fms., 1934, E. G. Hart, collector (anterior fragment, gills missing).

## Family Sabellidae

***Branchiomma burrardum* E. Berkeley**

*Branchiomma burrardum* E. Berkeley, 1930, p. 71, fig. 1, A–E.—E. and C. Berkeley, 1941, p. 55; 1942, p. 201; 1952a, p. 110, figs. 227–229.
*Megalomma splendida* (Moore).—Hartman, 1956, p. 298.

Type material: Holotype, USNM 32828, Burrard Inlet, British Columbia, dredged, Sept. 15, 1928 (specimen in two pieces). Paratypes, USNM 32829, off Five Fingers, British Columbia, taken on setline, June 5, 1929, 2 specimens. Paratypes, BMNH 1935. 12.19.106, Dodd's Narrows, Vancouver Island, British Columbia.

***Distylia volutacornis* var. *pacifica* E. and C. Berkeley**

*Distylia volutacornis* (Montagu) var. *pacifica* E. and C. Berkeley, 1954a, p. 468, fig. 16.
*Bispira volutacornis* (Montagu) var. *pacifica* (E. and C. Berkeley).—Hartman, 1959, pp. 537, 542.

Type material: Holotype, USNM 32840, off Clarke Rock, Gulf of Georgia (specimen in 2 pieces, with tube).

***Fabricia minuta* E. and C. Berkeley**

*Fabricia minuta* E. and C. Berkeley, 1932b, p. 315, fig. 1, A–E; 1952a, p. 120, figs. 245, 246.
*Oridia minuta* (E. and C. Berkeley).—Hartman, 1951, p. 390.
*Oriopsis? minuta* (E. and C. Berkeley).—Banse, 1957, p. 88.

Type material: Syntypes, USNM 32806, Long Bay, west coast Vancouver Island, British Columbia, among algae, 1931, 2 specimens (on slide).

***Fabricia pacifica* E. and C. Berkeley**

*Fabricia sabella* (Ehrenberg).—E. Berkeley, 1930, p. 73, fig. 1, H (part).
*Fabricia pacifica* E. and C. Berkeley, 1950, p. 66; 1952a, p. 121, fig. 249.
*Fabriciola berkeleyi* Banse, 1956, p. 429.

Type material: Holotype, USNM 32807, Newcastle Island, Departure Bay, Nanaimo, British Columbia, on stones at low tide, Aug. 8, 1918 (specimen on slide). Paratypes, USNM 32836, Newcastle

Island, Departure Bay, Nanaimo, British Columbia, on stones at low tide, Aug. 8, 1918, 7 specimens.

## Publications on Polychaetes by Edith and/or Cyril Berkeley with New Taxa Described


BERKELEY, EDITH

1923. Polychaetous annelids from the Nanaimo district, 1: Syllidae to Sigalionidae. Contr. Canadian Biol., n.s., vol. 1, pp. 203–218, 1 pl. [*Odontosyllis phosphorea* var. *nanaimoensis; Odontosyllis parva; Amblyosyllis lineata* var. *alba; Autolytus magnus; Malmgrenia nigralba; Lepidasthenia longicirrata.*]

1924a. Polychaetous annelids from the Nanaimo district, 2: Phyllodocidae to Nereidae. Contr. Canadian Biol., n.s., vol. 2, pp. 285–294, 1 pl. [*Tomopteris elegans.*]

1924b. On a new case of commensalism between echinoderm and annelid. Canadian Field-Nat., vol. 38, p. 193.

1927a. Polychaetous annelids from the Nanaimo district, 3: Leodicidae to Spionidae. Contr. Canadian Biol., n.s., vol. 3, pp. 407–422, 1 pl. [*Dorvillea pseudorubrovittata; Glycinde picta; Spio martinensis* var. *pacifica; Prionospio multibranchiata; Paraprionospio tribranchiata; Boccardia columbiana; Boccardia uncata; Polydora cardalia; Polydora caeca* var. *magna.*]

1927b. A new genus of Chaetopteridae from the N.E. Pacific: With some remarks on allied genera. Proc. Zool. Soc. London, pp. 441–445, 3 figs. [*Leptochaetopterus; Leptochaetopterus pottsi.*]

1929. Polychaetous annelids from the Nanaimo district, 4: Chaetopteridae to Maldanidae. Contr. Canadian Biol., n.s., vol. 4, pp. 305–316, 1 pl. [*Tharyx multifilis* var. *parvus; Caulleriella viridis* var. *pacifica; Notomastus pallidior* var. *parvus; Praxillella affinis* var. *pacifica; Leiochone columbiana.*]

1930. Polychaetous annelids from the Nanaimo district, 5: Ammocharidae to Myzostomidae (Appendix: Some pelagic forms from the Straits of Georgia and the west coast of Vancouver Island). Contr. Canadian Biol., n.s., vol. 6, pp. 65–77, 8 figs. [*Branchiomma burrardum; Tomopteris renata* (new name).]

1935. Swarming of *Odontosyllis phosphorea* Moore, and of other Polychaeta near Nanaimo, B.C. Nature, vol. 136, p. 1029.

1936a. Plankton of the Bermuda oceanographic expeditions, 3: Notes on Polychaeta. Zoologica, vol. 21, pp. 85–87.

1936b. Occurrence of *Saccocirrus* in western Canada. Nature, vol. 137, p. 1075.

1961. Swarming of the polychaete *Odontosyllis phosphorea* Moore, var. *nanaimoensis* Berkeley, near Nanaimo, B.C. Nature, vol. 191, p. 1321.

BERKELEY, EDITH, and BERKELEY, CYRIL

1932a. Some Capitellidae (Polychaeta) from the N.E. Pacific: With a description of a new genus. Proc. Zool. Soc. London, pp. 669–675. [*Protocapitella; Protocapitella simplex; Heteromastus filobranchus.*]

1932b. On a collection of littoral Polychaeta from the west coast of Vancouver Island. Contr. Canadian Biol., n.s., vol. 7, pp. 309–318. [*Fabricia minuta.*]

1935. Some notes on the polychaetous annelids of Elkhorn Slough, Monterey Bay, California. Amer. Midl. Nat., vol. 16, pp. 766–775.

1936. Notes on Polychaeta from the coast of western Canada, 1: Spionidae. Ann. Mag. Nat. Hist., ser. 10, vol. 18, pp. 468–477, 1 fig. [*Polydora sociatis plena; Polydora magna.*]

1938a. Notes on Polychaeta from the coast of western Canada, 2: Syllidae. Ann. Mag. Nat. Hist., ser. 11, vol. 1, pp. 33–49, 12 figs. [*Syllis pulchra; Syllis harti; Syllis spenceri; Exogone lourei.*]

1938b. *Rhamphobrachium longisetosum*, n. sp., with some observations on the regeneration of the specialized anterior setae. Ann. Mag. Nat. Hist., ser. 11, vol. 1, pp. 428–435, 8 figs. [*Rhamphobrachium longisetosum.*]

1939. On a collection of Polychaeta, chiefly from the west coast of Mexico. Ann. Mag. Nat. Hist., ser. 11, vol. 3, pp. 321–346, 12 figs. [*Sigalion lewisii; Eulepethus mexicanus; Onuphis zebra; Arenicola glasselli; Clymene* (*Euclymene*) *papillata.*]

1941. On a collection of Polychaeta from southern California. Bull. Southern California Acad. Sci., vol. 40, pp. 16–60, 18 figs. [*Sthenelanella atypica; Loandalia fauveli; Onuphis eremita* var. *parva; Lumbrinereis ligulata; Aricia macginitii; Mesochaetopterus rickettsii; Chaetozone spinosa* var. *corona; Clymene* (*Euclymene*) *grossa* var. *newporti; Axiothella rubrocincta* var. *complexa.*]

1942. North Pacific Polychaeta, chiefly from the west coast of Vancouver Island, Alaska, and Bering Sea. Canadian Journ. Res., sec. D, vol. 20, pp. 183–208. [*Syllis stewarti; Pista pacifica; Pista moorei; Scionella estevanica.*]

1943. Biological and oceanographical conditions in Hudson Bay, 11: Polychaeta from Hudson Bay. Journ. Fish. Res. Bd. Canada, vol. 6, pp. 129–132. [*Pseudosabellides; Pseudosabellides littoralis; Pseudosabellides lineata.*]

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